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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/564,292	01/10/2006	Kui Yong Lim	DE 030244	6997
65913	7590	07/14/2008		
NXP, B.V. NXP INTELLECTUAL PROPERTY DEPARTMENT M/S41-SJ 1109 MCKAY DRIVE SAN JOSE, CA 95131			EXAMINER BAISA, JOSELITO SASIS	
			ART UNIT 2832	PAPER NUMBER
			NOTIFICATION DATE 07/14/2008	DELIVERY MODE ELECTRONIC

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Notice of the Office communication was sent electronically on above-indicated "Notification Date" to the following e-mail address(es):

ip.department.us@nxp.com

Office Action Summary	Application No. 10/564,292	Applicant(s) LIM ET AL.	
	Examiner JOSELITO BAISA	Art Unit 2832	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 07 April 2008.
- 2a) ☒ This action is **FINAL**. 2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-10 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-10 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 10 January 2006 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some * c) ☐ None of:
1. ☒ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--------------------------------------------------------------------------------------|-------------------------------------------------------------------|
| 1) <input type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413) |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | Paper No(s)/Mail Date. _____ |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08) | 5) <input type="checkbox"/> Notice of Informal Patent Application |
| Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

Claims 1-3 and 5-10 are rejected under 35 U.S.C. 103(a) as being unpatentable over Knutson et al. [4035695].

Knutson discloses an inductive system comprising a first part in the form of a printed coil 52 (a loop); and a second part in the form of a non-printed coil 46 (see figure 2); which coil represented by loop 52 and which non-printed coil 46 are coupled serially [Col. 2, Lines 45-48, Figure 1] and [Col. 3, Lines 36-38, Figure 2].

Knutson discloses the instant claimed invention discussed above except for the printed coil is spiral loop.

However, Knutson discloses that the loop 52 (coil 52) with bridges 53, 54 is similar to the spiral coil of Figure 1 that has the first turn 26 and second turn 28 which includes loop 30 having plurality of bridges 32 [Col. 2, Lines 45-54, Figure 1].

It would have been obvious to one having ordinary skill in the art at the time of the invention to use the spiral coil as taught by Knutson in Figure 1 to the inductive loop shown in Figure 2.

The motivation would have been to expand variation in inductance value of the inductive system [Col. 2, Lines 61-67, Figures 1 and 2].

With respect to claim 10, the claims are method counterpart of structure of claim 1 and method steps therefore are inherent for manufacturing an inductive system comprising a first part in the form of a printed coil and a second part in the form of a non-printed coil.

Regarding claim 2, Knutson discloses the non-printed coil 46 comprises an air coil comprising a further number of turns defined by at least one wire diameter and at least one coil diameter [Col. 3, Lines 36-38, Figure 2].

Regarding claim 3, Knutson discloses a total inductance of the inductive-system is substantially equal to an inductance of the coil (26, 28, 30) plus an inductance of the air coil 46 plus a mutual inductance [Abstract].

Regarding claim 4, Knutson discloses the value of the mutual inductance has been chosen by combining a right turn coil or a left turn coil (26, 28, 30) with a clockwise coil or an anti-clockwise coil (46 in place of jumper 22) and by selecting the length of the air coil 46 until a maximum overlapping area between the coil (26, 28, 30) and the air coil 46 has been reached [Col. 3, Lines 57-67, Figure 2].

Regarding claim 5, Knutson discloses the number of turns (26, 28) are further defined by a diameter of a center path and a turning direction, with the further number of turns (26, 28) being further defined by a turning orientation [Col. 2, Lines 45-50, Figure 1].

Regarding claim 6, Knutson discloses one end of the non-printed coil 46 is coupled (in place of jumper 22) to a center end of the coil (26, 28, 30), with the other end of the non-printed coil 46 and an outer end of the coil (26, 28, 30) constituting ends of the inductive-system [Col. 3, Lines 28-38, Figures 1 and 2].

Regarding claim 7, Knutson discloses the coil (26, 28, 30) is on an outer layer of a printed circuit board (40, 10) [Col. 3, Lines 28-38, Figures 1 and 2].

Regarding claim 8, Knutson discloses printed circuit board (40, 10) which comprises an inductive-system comprising a first part in the form of a spiral printed coil (26, 28, 30) comprising a number of turns (26, 28) and at least one turn spacing; and a second part in the form of a non-printed coil which printed coil 46 and which non-printed coil 46 are coupled serially, and which coil is printed on an outer layer of the printed circuit board (40, 10) [Col. 2, Lines 45-48, Figure 1] and [Col. 3, Lines 36-38, Figure 2].

Regarding claim 9, Knutson discloses an inductive-system comprising a first part in the form of a spiral printed coil (26, 28, 30) comprising a number of turns (26, 28) defined by at least one track width and at least one turn spacing; and a second part in the form of a non-printed coil 46; which coil (26, 28, 30) and which non-printed coil 46 are coupled serially [Col. 2, Lines 45-48, Figure 1] and [Col. 3, Lines 36-38, Figure 2].

Response to Argument

Applicant's arguments with respect to claims 1-10 have been considered but are not persuasive.

Knutson discloses an inductive system comprising a first part in the form of a spiral printed coil comprising a number of turns with at least one turn spacing (shown in Figure 1). Figure 2 of Knutson shows a first part printed coil (loop 52) and a second part in the form of a non-printed coil 46; which coil (loop 52) and which non-printed coil 46 are coupled serially. An ordinary skill in the art could have combine the printed spiral coil (in Figure 1) in place of coil loop 52 in Figure 2 which shows coil loop 52 serially connected with the non-printed coil 46.

Conclusion

The applicant's amendment has been fully considered. Accordingly, THIS ACTION IS MADE FINAL. See MPEP § 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however,

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will the statutory period for reply expire later than SIX MONTHS from the date of this final action.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Joselito Baisa whose telephone number is (571) 272-7132. The examiner can normally be reached on M-F 5:30 am to 2:00 pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Elvin Enad can be reached on (571) 272-1990. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/Elvin G Enad/
Supervisory Patent Examiner, Art Unit 2832

Joselito Baisa
Examiner
Art Unit 2832

/J. B./
Examiner, Art Unit 2832

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